

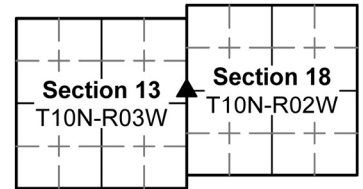
MONUMENT RECORD

Corner ID: **BeBI_A11**

Quarter Corner

Section 18- T10N-R02W, 2nd P.M.

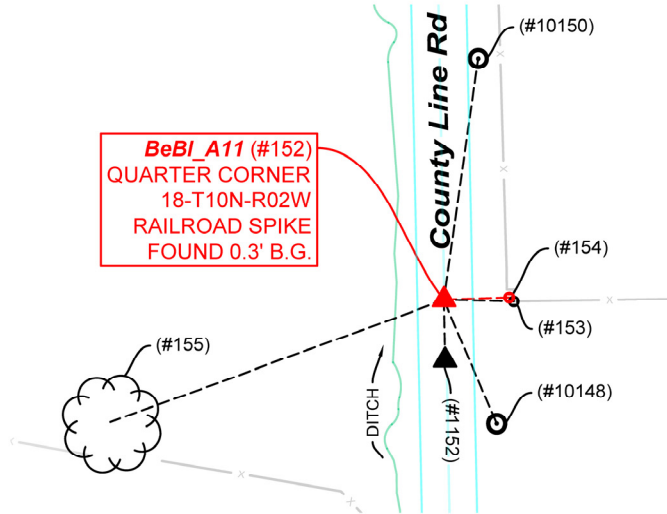
Bean Blossom Township, Monroe County, Indiana



MONUMENT: Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)

(#152) Railroad Spike found 0.3' below and ± in the center of a north-south asphalt county road known as County Line Road, ± at the extension of an old east bound fence line.

MONUMENT LOCATION SKETCH:



WITNESS MONUMENT TIES: Describe at least three new BT's (Bearing Trees) and/or witness objects established or work done to preserve existing evidence. BT diameters are noted as dbh (diameter at breast height) and are measured approximately 4.5' above ground. Bearings and Distances are measured from the monument to the center of the BT. Bearings and Distances to witness ties were measured with a Sokkia Set 510 Total Station.

ID	Bearing	Distance	Description
(#154)	N88° 01'E	20.4'	Wood post at beginning of East bound fence line. Monroe County Survey Marker sign attached.
(#153)	S88° 37'E	21.8'	Southwest corner 0.8' north-south by 1.2' east-west Limestone post found 5.7' AG
(#155)	S69° 48'W	111.0'	51" diameter Sycamore tree

MONUMENT ACCESSORIES

Other survey grade monuments that were located in the vicinity and their relation to the monument. Witnesses noted as a Rebar Lite are a 5/8" diameter by 16" polycarbonate rod with a 1-1/2" mag nail in top and yellow plastic cap stamped "MONROE COUNTY WITNESS POINT" set 0.1 foot below grade unless otherwise noted.

Geodetic coordinates in this table are provided in the format Northing, Easting

(#10148)	S23° 03' 31"E	42.11'	N:1477233.5613' E:3065416.8030' Rebar Lite, 3' East of east edge of pavement of County Line Road.
(#10150)	N08° 04' 28"E	75.81'	N:1477347.3628' E:3065410.9576' Rebar Lite, 6 1/2' East of east edge of pavement of County Line Road.
(#1152)	S01° 10' 46"E	18.91'	N:1477253.4009' E:3065400.6990' 2 1/2" long Mag Spike in a washer inscribed SHEPPARD PLS#20100021, set flush with and 5' West of the center of County line road, to mark the East Quarter corner of section 13 Township 10 North Range 3 West (See Report)

Note: Monument Accessories for BeBI_A09 are visible from this corner also.



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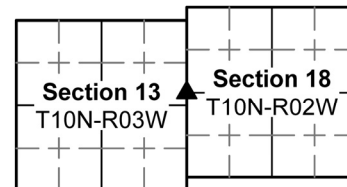


PHOTO IDENTIFIED: *Photo Date:* 10/17/2024



Photo Orientation & Description: From Above



Photo Orientation & Description: From South Looking North

EXISTING SURVEY HISTORY *Include as much detail and history of the corner as known at the time of perpetuation*

ORIGINAL GOVERNMENT SURVEY:

This corner was not set in the original Government Survey.

SUBSEQUENT CORNER RESTORATION:

Nothing was found in Monroe County Legal Survey Books Regarding Establishment of this corner.

OTHER SURVEY HISTORY: *Include details such as surveyor name, date, recording info, monument description, etc.*

DocumentDate	SurveyID	Surveyor	Description	InstrumentNo
11/12/2012	RSID005604	Meier, David R.	McDonald Concord Road Original/Retracement Survey	
3/14/2016	RSID005605	Sheppard, Michael E.	Original 5.00 acre parcel Survey	
12/7/1987	RSID005617	Multiple	Owen County Section Ties On line between 10 North 2 & 3 West	

ORIGINAL OR SUBSEQUENT SURVEY EVIDENCE FOUND BY THE MONROE COUNTY SURVEYORS OFFICE: *Include, search area or areas, search procedure, etc.*

Date of Field work/Search: April 26, 2005 *By:* Kevin Enright, Trohn Enright Randolph *Monument Found:* Railroad Spike *BTs or Reference Objects Found:* References established *Project #:* BeBI_A11 *Field Book:* 36, page 53 *Notes:*

ORIGINAL OR SUBSEQUENT SURVEY EVIDENCE FOUND BY THE MONROE COUNTY SURVEYORS OFFICE: *Include, search area or areas, search procedure, etc.*

Date of Field work/Search: 10/17/2024 & 11/06/2024 *By:* MES/JMG/WEP *Monument Found:* Railroad Spike *BTs or Reference Objects Found:* Some references from 2005 found, more established. *Project #:* 24-004 *Field Book:* 57, pages 32,33 & 46. *Notes:*

OTHER EVIDENCE: *Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.*

Railroad spike is $\pm$ in the center of County Line Road, at the extension of an old East bound fence line.

MONUMENT PRESERVATION: *Describe work done to preserve existing monument.*

State Plane coordinates were established on the Railroad Spike. 2 Rebar Lites and a Mag Spike at the offset Section corner were set within sight of the Railroad Spike that could be used to reestablish its location should it become obliterated. Additionally posts and a tree were located to aid in visually finding it.

THEORY OF LOCATION: *Describe the theory of location for acceptance of this monument. Include monument origin and associated uncertainty.*

The Railroad Spike at #152 was found to be in harmony with the occupation line fence to the East. It is $\pm$ 27.3' South of an equidistant split between the monuments at the Northwest and Southwest corners of the Section. The Railroad Spike is $\pm$ 25.6' North of the extension of a line from a stone at the East Quarter corner of the Section through a mag nail set at the inside corner of an



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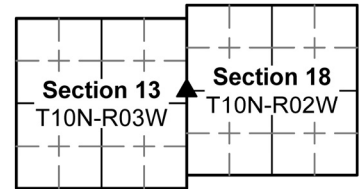
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angle iron post in concrete at the Center of the Section. The 2005 visit to the site by this Office notes a second Railroad Spike 79.70' North, which was not found this survey and its purpose is unknown. The Railroad Spike accepted this survey has also been considered the East Quarter corner of Section 13 Township 10 North Range 3 West by at least 2 surveyors in recent history (unfortunately I am one of them). After measuring around numerous Sections in the area, it is now evident to me that it does not represent and was never intended to represent said corner. The East Quarter corner of Section 13 Township 10 North Range 3 West was set this survey (#1152) at the extension of a line from the Mag Spike set at the Northeast corner of said Section through the Railroad Spike at #152 and at an equidistant split of the length of the East line of said Section 13. This corner was set because to accept the Railroad Spike at #152 means there is an angle break in the Section line, and angle breaks, per Government Survey regulations can only be at Standard (Originally established) Section corners, not at closing corners. A Mag Nail is shown in Owen County ties (See RSID005617 pg. 3) marking this corner. Said Mag nail was searched for but not found this survey. Based on the 1 remaining witness shown on said tie sheet (the limestone post at point #153 this traverse) it appears the Mag nail was significantly (as much as 45') South of where the Mag Spike was set this survey. The tie card gives no method of establishment or theory of location, and I can see no reason the corner would have originally been anywhere other than where it was set this survey. Due to the above observations, the Railroad Spike at BeBI_A11 has, in my opinion, a north-south uncertainty of as much as 27.3'.

GEODETIC COORDINATES: *Northing:1477272.3' Easting:3065400.3'*

BASIS OF GEODETIC COORDINATES:

The basis of bearings is Grid North NAD83(2011), Indiana West Zone, Epoch 2010.0000, Geoid Model G2012BU7, Datum NAD83_NO_TRANS, US Survey Feet, derived from GPS observations utilizing the Indiana Real-Time Network (INCORS). Coordinate data was collected with a Javad Triumph LS Network Rover and/or with a Sokkia Set 510 Total Station radially from points located with GPS. Distances obtained with GPS have not been adjusted to ground. To adjust grid distances to ground distances multiply them by a scale factor of 1.000041156.

This document is not complete without the associated Corner Perpetuation plat and report of survey for Section 18 Township 10 North Range 2 West by Michael E. Sheppard of the Monroe County Surveyor's Office.

CERTIFICATIONS:



Michael E. Sheppard

Date: 02/18/2025

Michael E. Sheppard

State of Indiana

Professional Surveyor

No. 20100021



Trohn Enright-Randolph

Date: 02/18/2025

Trohn Enright-Randolph

Monroe County Surveyor



Donna B. Smith

Accepted by the Monroe County

Surveyor Review Board on 02/18/2025



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